Multimedia Test

Photo: Fernando García-García, May 2013

iGeo 2013

Instructions

This test has 40 questions.

Read the question on each *PowerPoint* slide carefully. We will also read the questions to you.

Depending on the complexity of the question, we will give you 30 to 75 seconds for a question.

Each question is multiple-choice. Choose *A*, *B*, *C* or *D*.

Only one answer is correct.

Mark your choice on the *Answer Sheet* with a circle around the letter that you want to select. If you make a mistake, delete the selected letter and make a new choice.

We will read all questions to you again at the end of the test.

Q 1

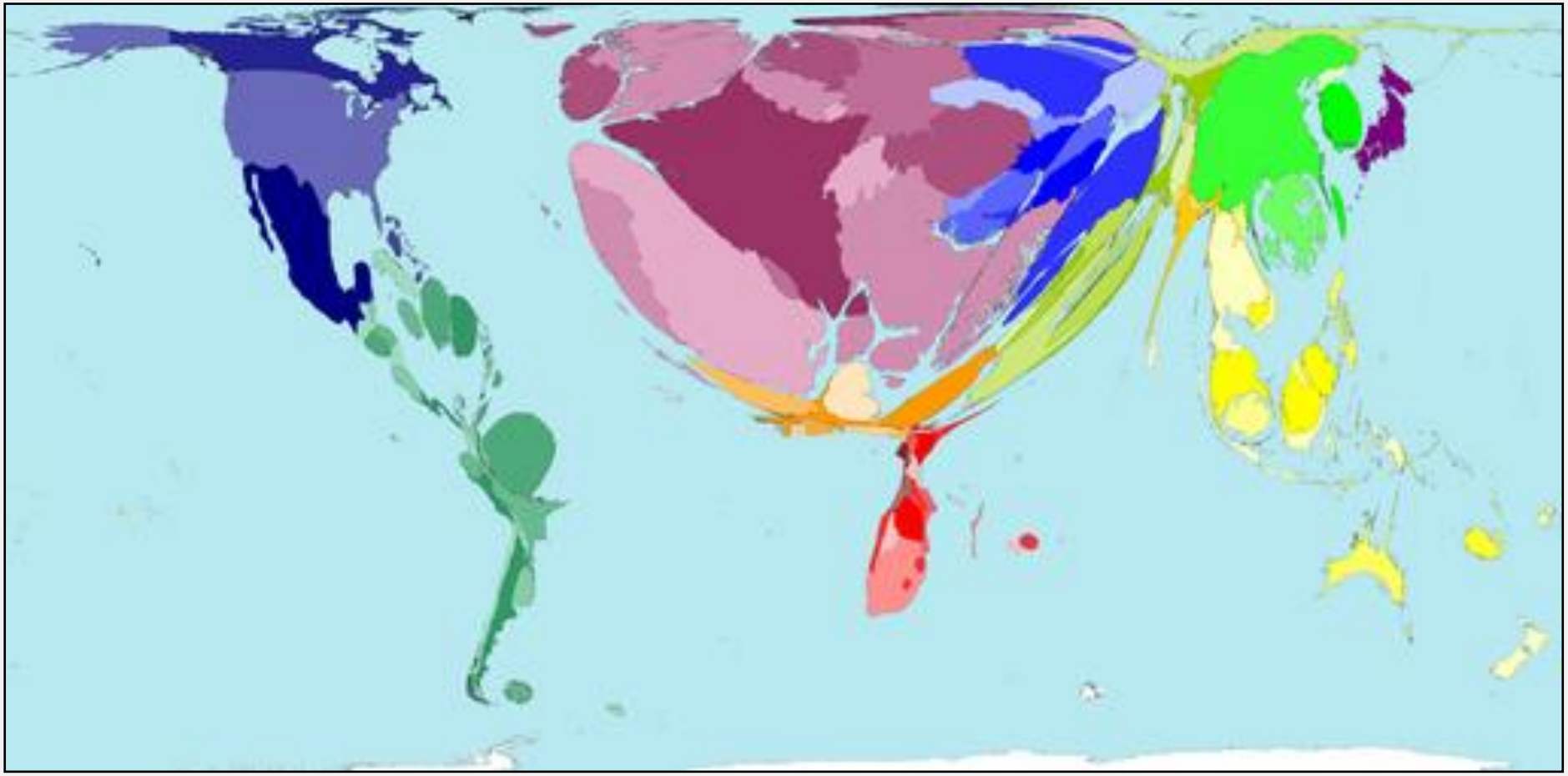
What city was this picture taken in? It is the closest city to the equator that has hosted the Winter Olympic Games.

A. Beijing B. Nagano C. Seoul D. Tokyo

Q 2

What does this map represent?

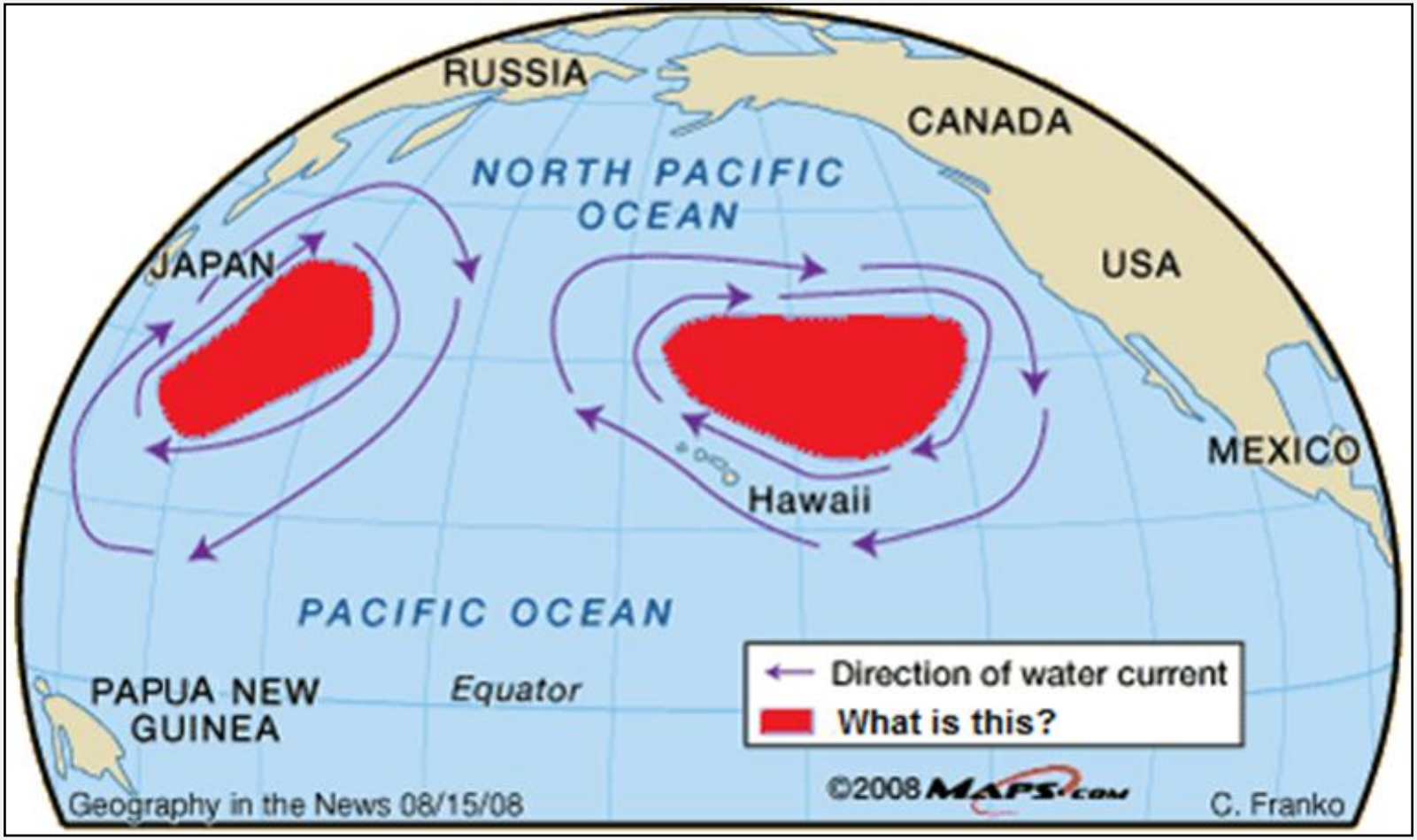
A. cereals exports
B. carbon dioxide emissions
C. total population
D. international tourists arrivals



What do the red areas in the map represent?

Q 3

A. zones of high levels of chlorophyll concentration
B. the estimated coverage of the Great Pacific garbage patch
C. zones of low mean annual sea surface temperature
D. feeding grounds of several whale species



Q 4

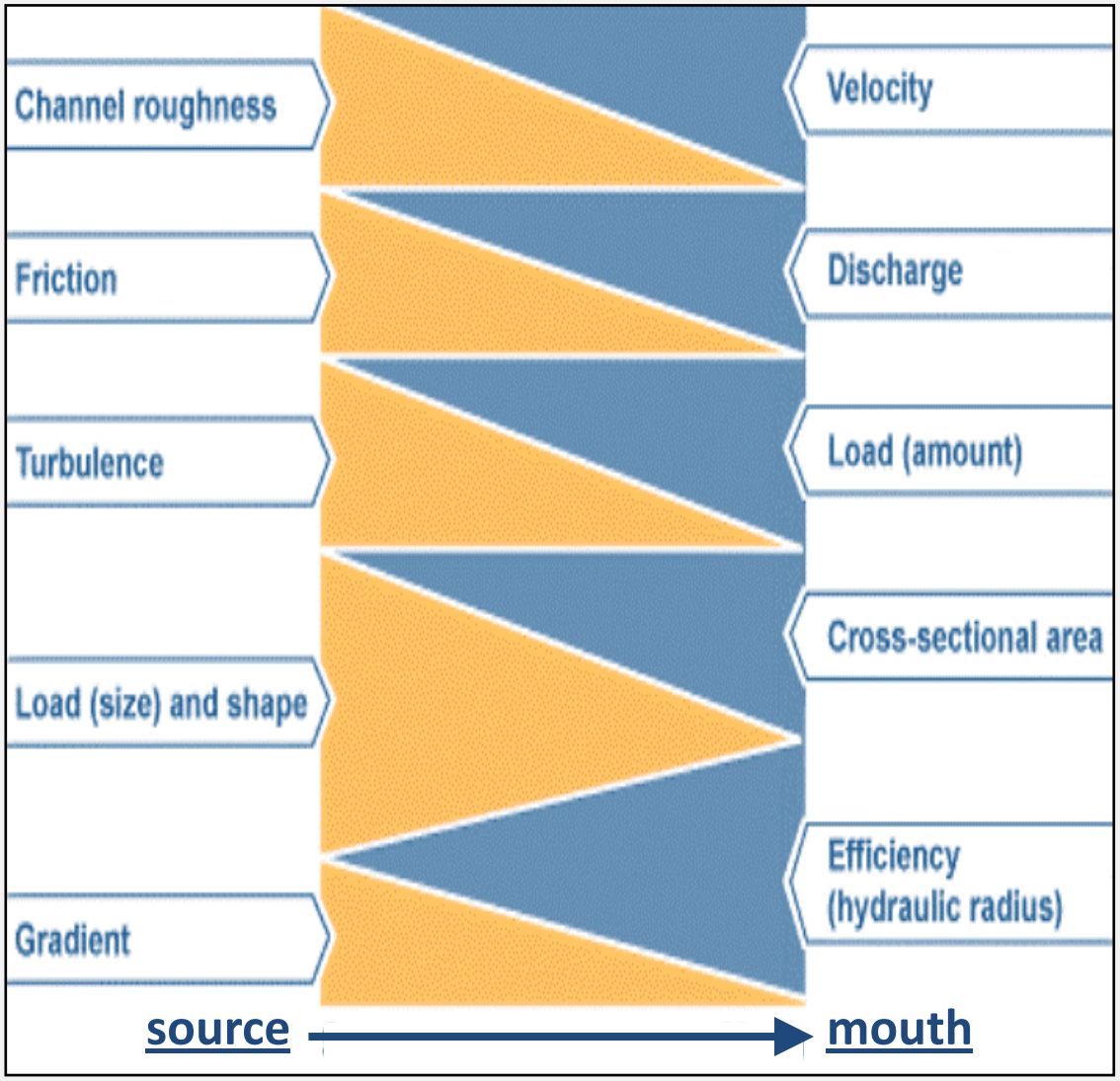
The diagram shows a Bradshaw Model for a river. Considering the flow <u>from source to mouth</u>, which of the following statements is correct?

A. discharge increases and efficiency decreases

B. both discharge and turbulence increase

C. both load and velocity decrease

D. gradient decreases and velocity increases



In this picture, what are the season and time in Moscow?

A. winter, early evening
B. summer, early morning
C. summer, late morning
D. winter, early morning

Q 5

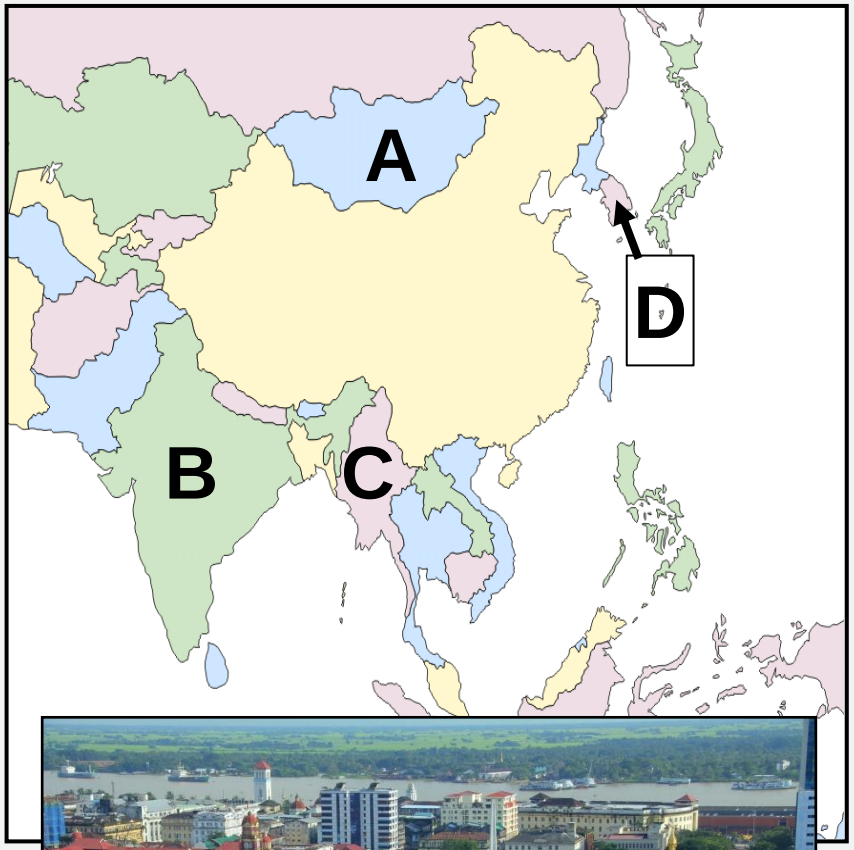
Q 6

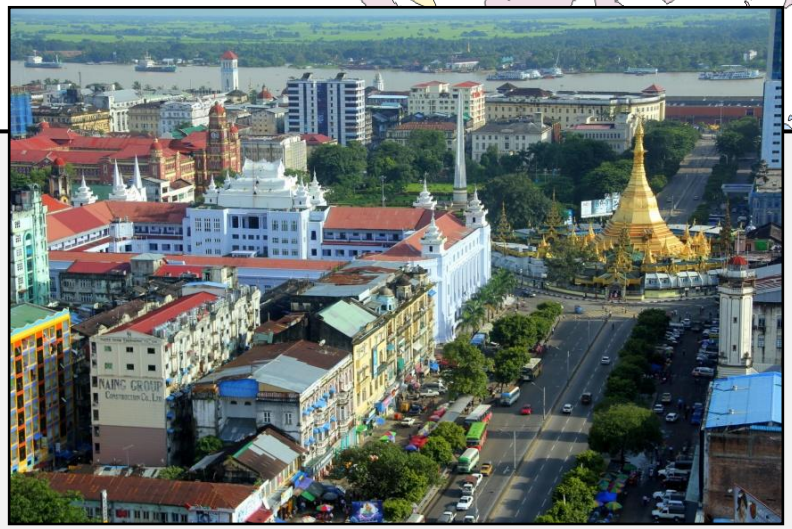
In the picture you can see:

A. an aqueduct
B. an embankment
C. a ravine
D. a trench

Q 7

These photos were taken in the same country. Which country is it on the map?





Q 8

Which of these natural hazards can be mitigated by the structure in the picture?

A. rock falls

B. riverbank erosion

C. landslides

D. all of the above

Q 9

In what month was this photo of a street in Manila most likely taken?

A. February B. April C. July D. December

Q 10

The Richat Structure is currently thought to be a symmetrical uplift. It is:

A. an eroded anticline

B. a dune

C. a river delta

D. a meteorite crater

Q 11

The red arrows point to ridges of debris. What is the name of this landform?

A. cirque B. drumlin C. esker D. medial moraine

Source: swisseduc.ch Photo by M. J. Hambrey, 2006

Q 12

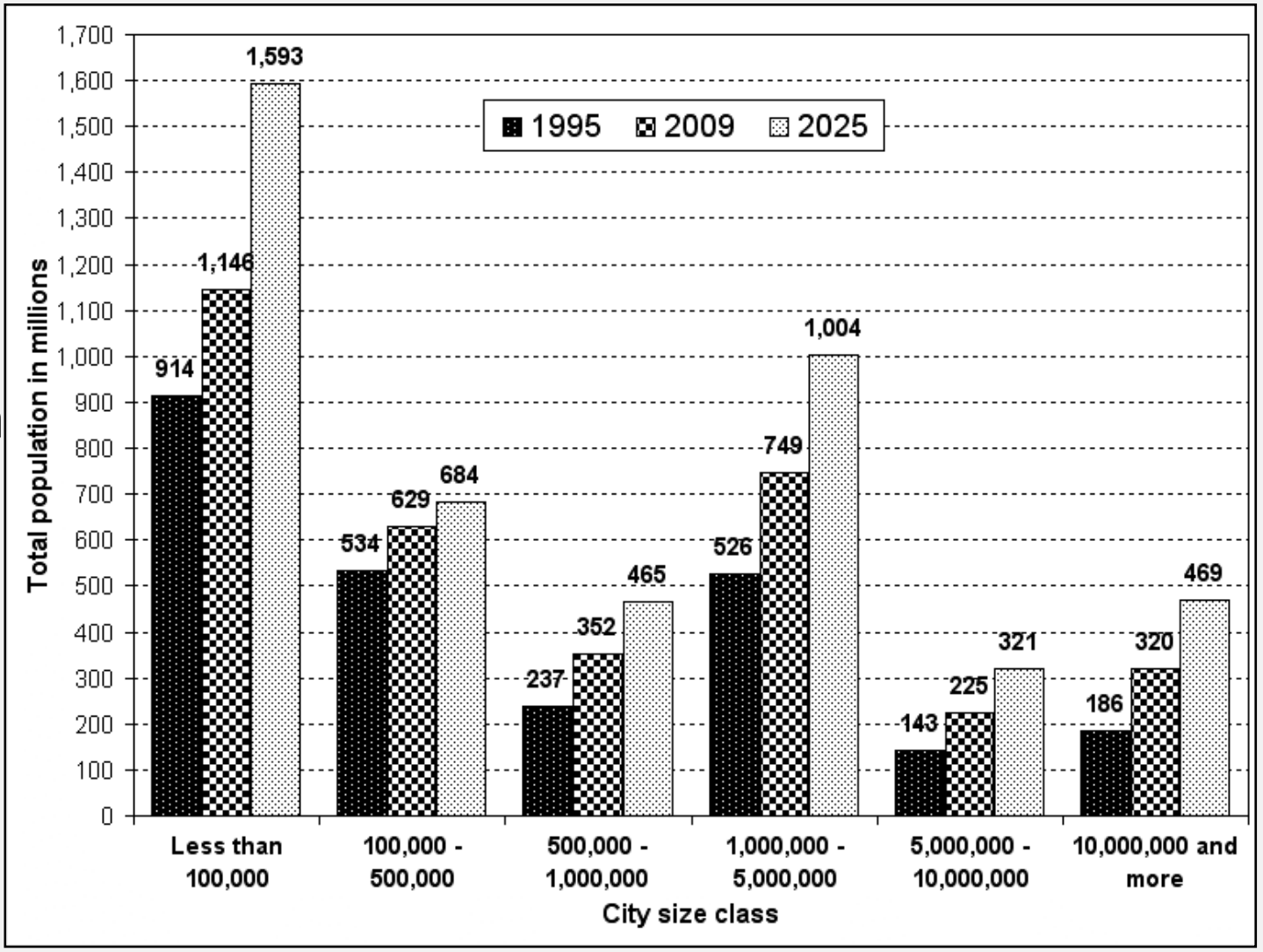
According to the graph, which city size class is expected to experience the greatest rate of population growth between 1995 and 2025?

A. less than 100,000

B. 500,000 to 1 million

C. 1 to 5 million

D. 10 million and more



Source: World Urbanization Prospects, 2009

Q 13

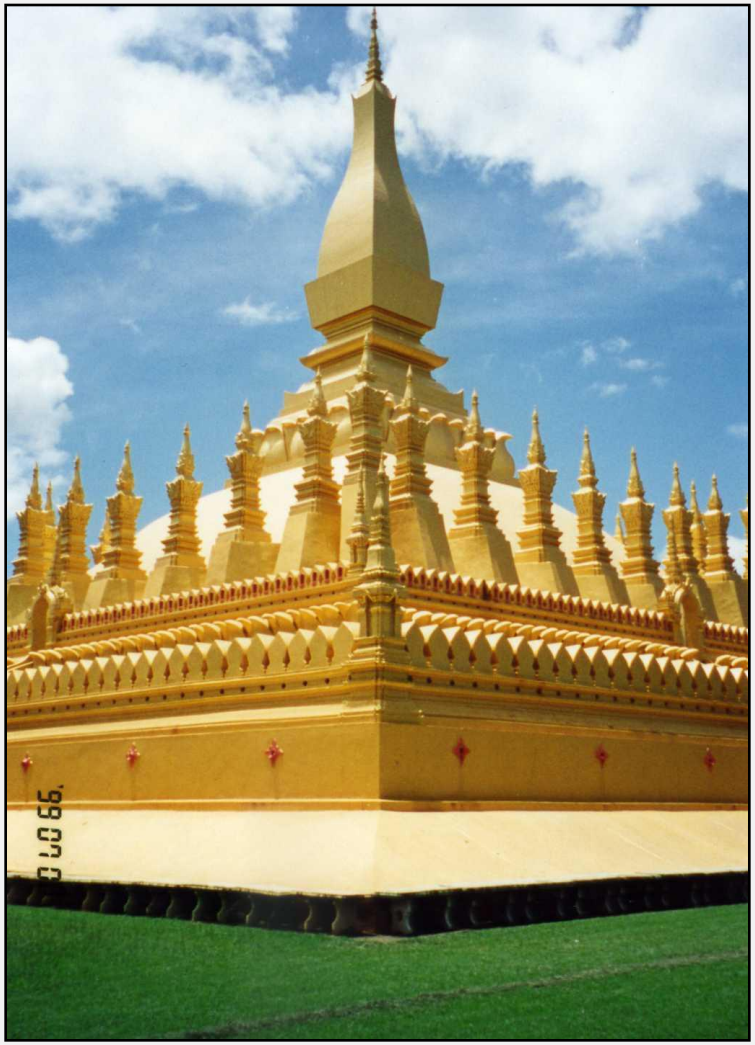
Which phenomenon is shown in the movie?

A. debris landslide
B. mudslide
C. pyroclastic flow
D. snow avalanche

Q 14

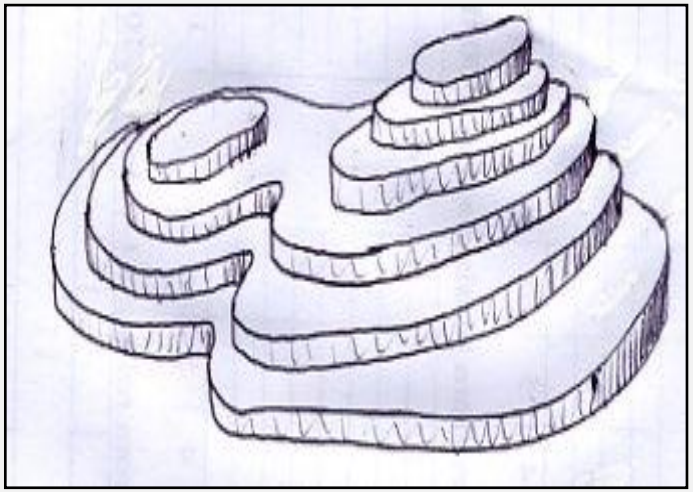
These photos show religious buildings. Which religion do they belong to?

A. Buddhism B. Christianity C. Hinduism D. Islam

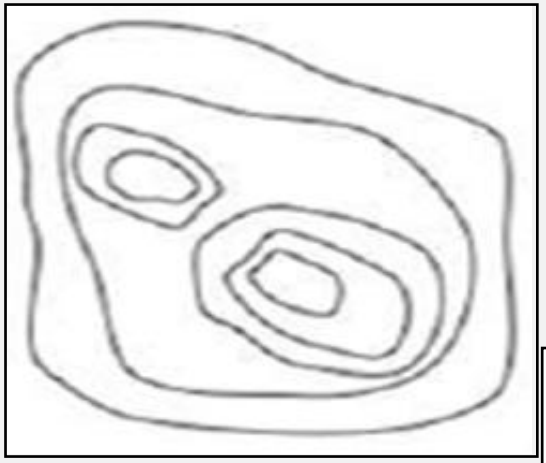


Q 15

Which contour map matches the three-dimensional draft shown below?



A



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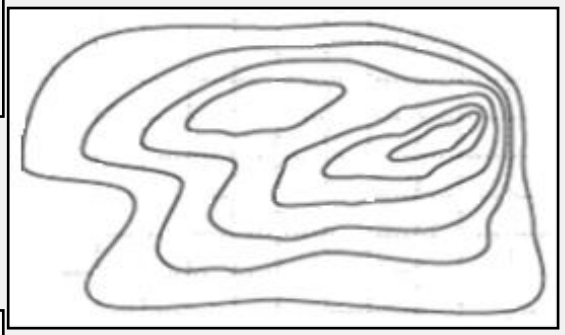

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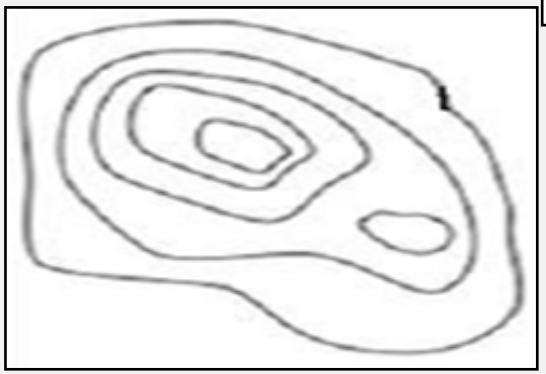
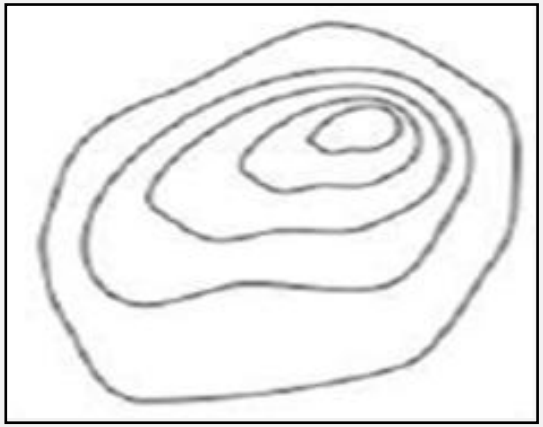


D



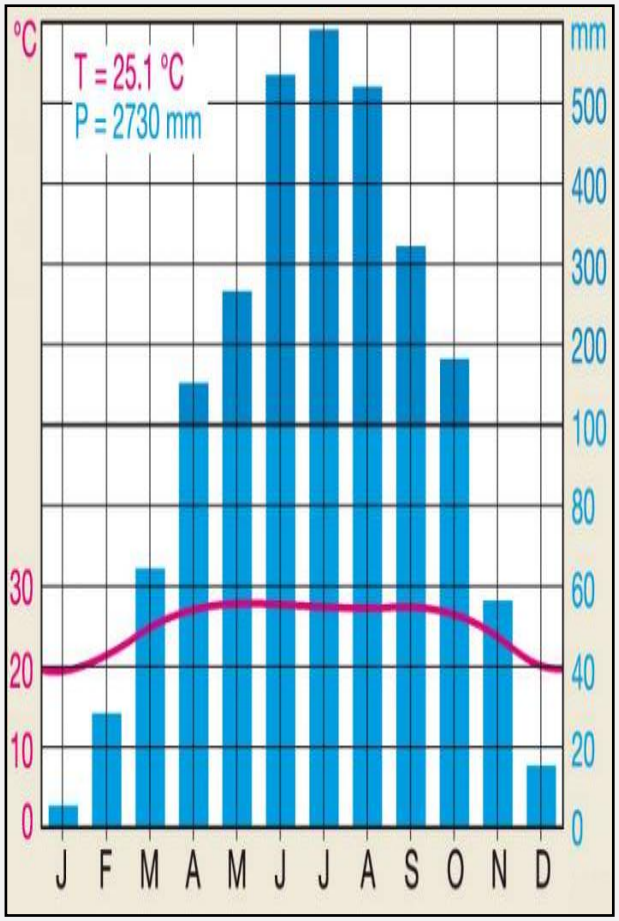
E 16 **These time-lapsed images show the evolution of:**

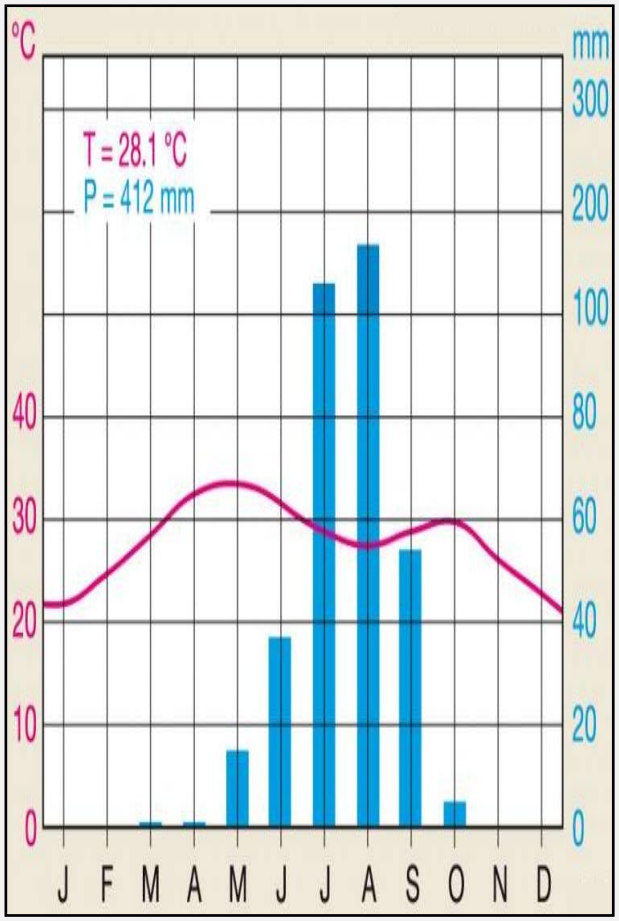
A. the tropical rain forest in Amazonia
B. a landscape for the exploitation of tar sands in Canada
C. a landscape for industrial purposes in southern India
D. a landscape for agricuture in the south of Spain

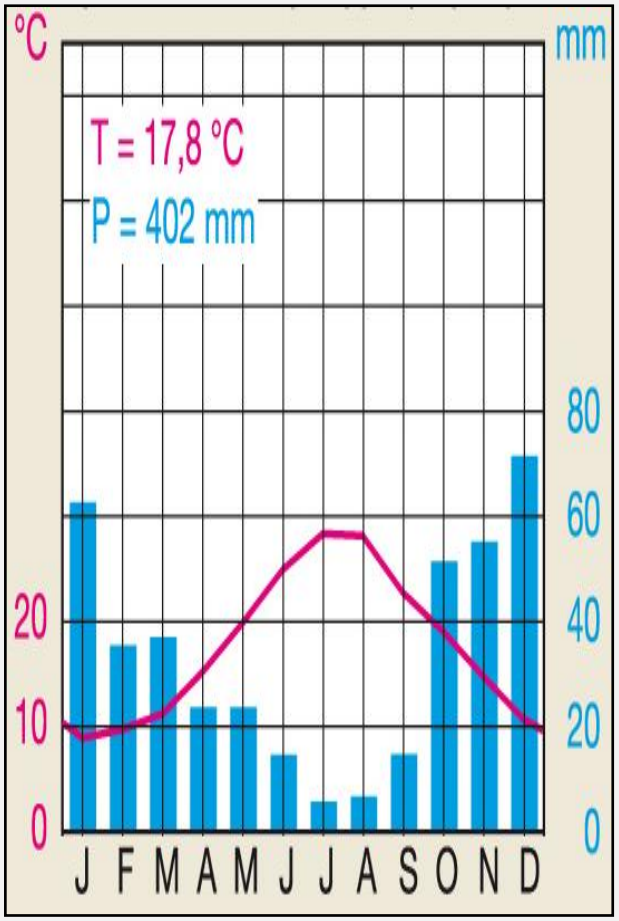
Q 17

From left to right, what is the correct sequence matching these climate graphs to the following cities: 1: Athens (Greece) 2: Chittagong (Bangladesh) 3: Zinder (Niger)?

A. 1, 2, 3 B. 1, 3, 2 C. 2, 3, 1 D. 3, 2, 1







Q 18

Based on the table below, which of these Central American countries (marked on the map as *A*, *B*, *C* and *D*) is more likely to have the lowest emigration rate due to push factors?

Country	GDP per capita (2005 PPP $)	Adult literacy rate (% aged 15 and above)	Average annual population growth rate (%)	Infant mortality rate (per 1,000 live births)
Nicaragua	2,499	78.0	1.3	23
Costa Rica	10,453	96.2	1.6	9
Honduras	3,519	84.8	2.0	20
Guatemala	4,297	75.2	2.5	25

Q 19 **This landform can be commonly found in all the following countries, except in:**

A. Australia B. China C. Japan D. U.S.A.

Imagine you are a local newspaper editor. Your reporter hands you four headlines for this picture. Which one most appropriately describes the feature in the photo?

A. Ice Age is Coming!

B. Landslide Threat!

C. Retreat in 20 Years!

D. Water Pollution Crisis!

Q 20

The picture shows a forest of bamboo, now popular as a flooring material in North America and Europe for its low environmental impact. Which feature does <u>not</u> contribute to that reputation?

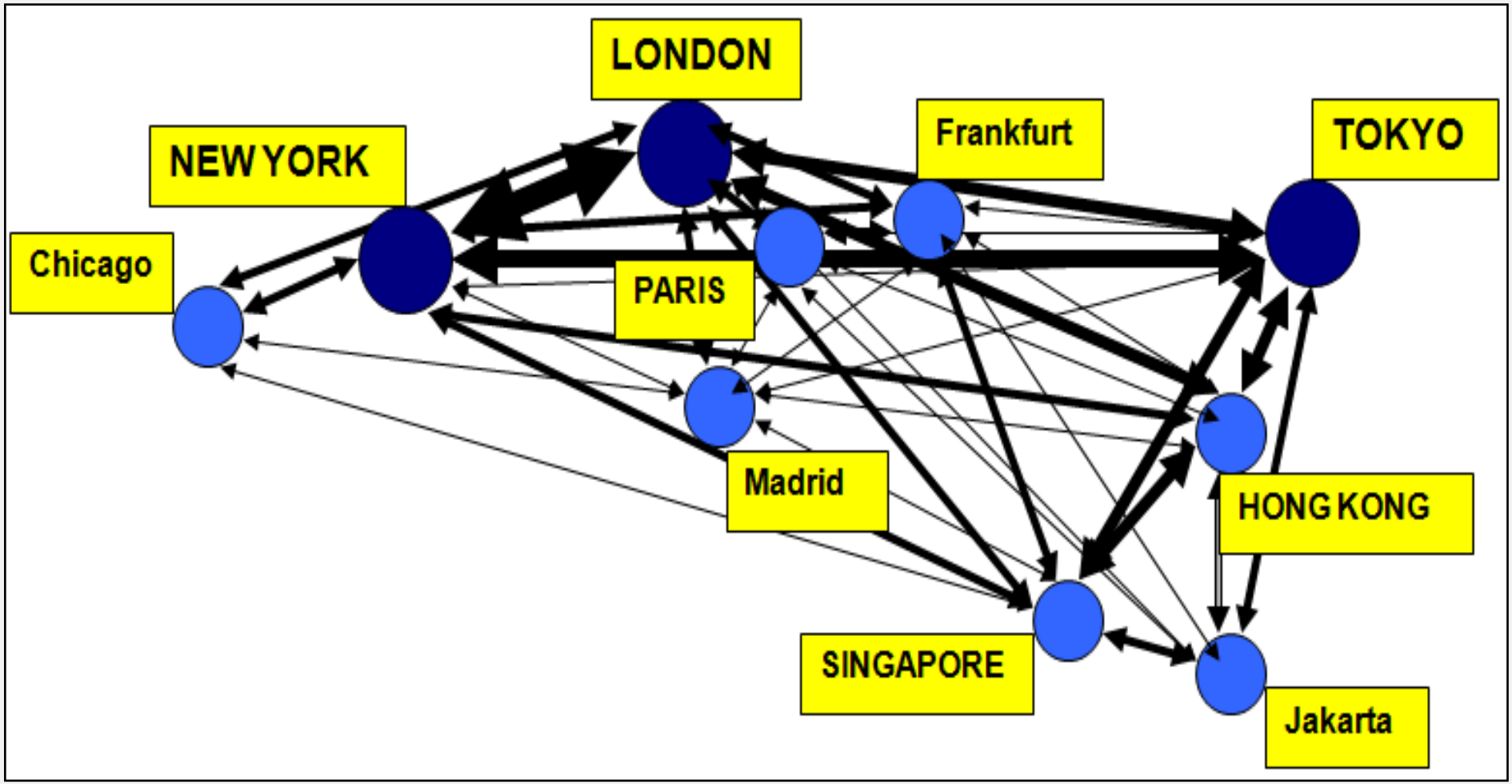
A. five-year maturation period
B. lack of pests and no need for fertiliser
C. majority of production in Asia
D. production leads to little soil erosion

Q 21

Q 22

What economic sector does this network diagram represent?

A. banking and financial services
B. bio-industry
C. fashion industry
D. gold trading



Q 23

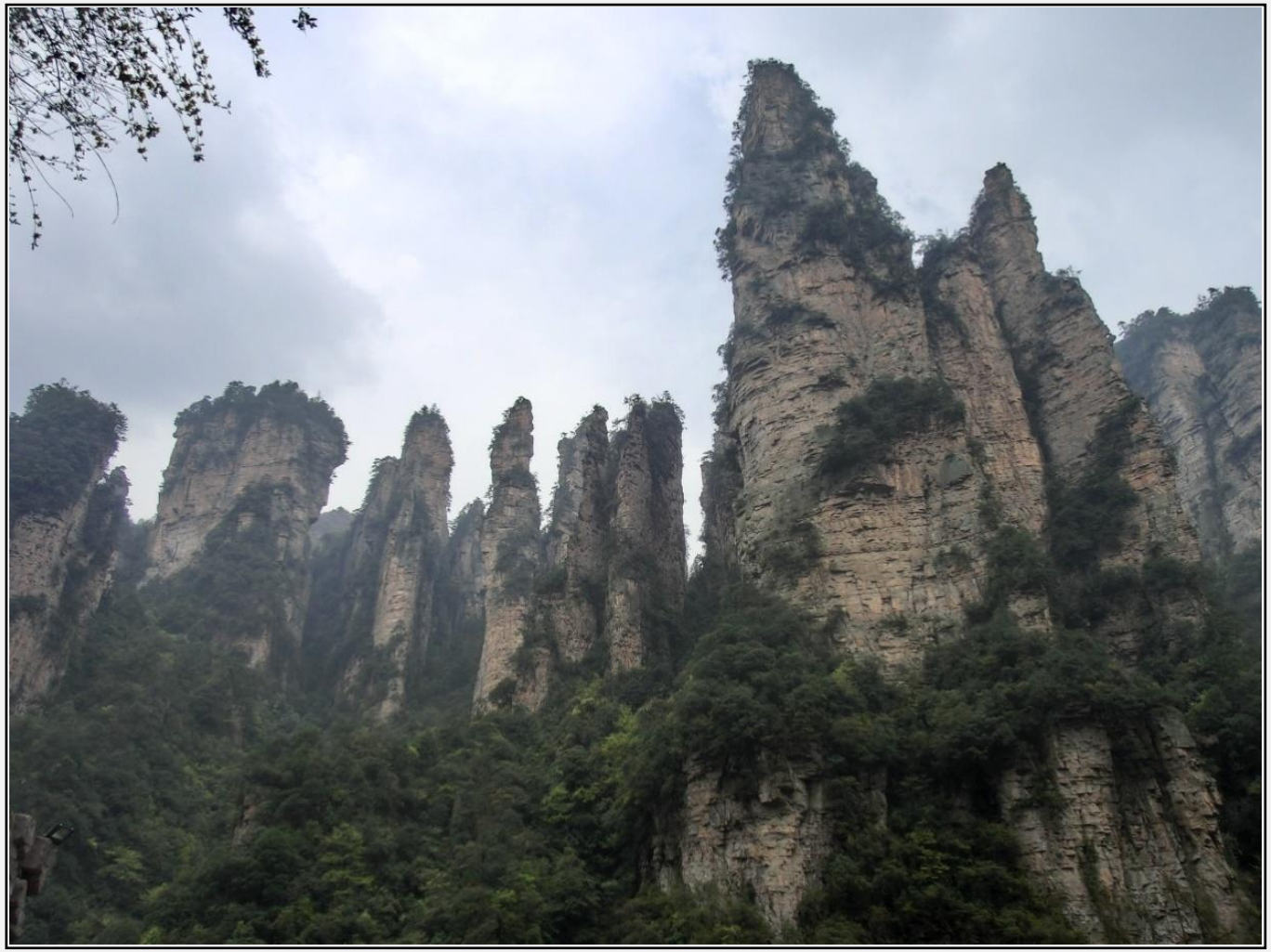
The rock type shown in the picture is:

A. conglomerate

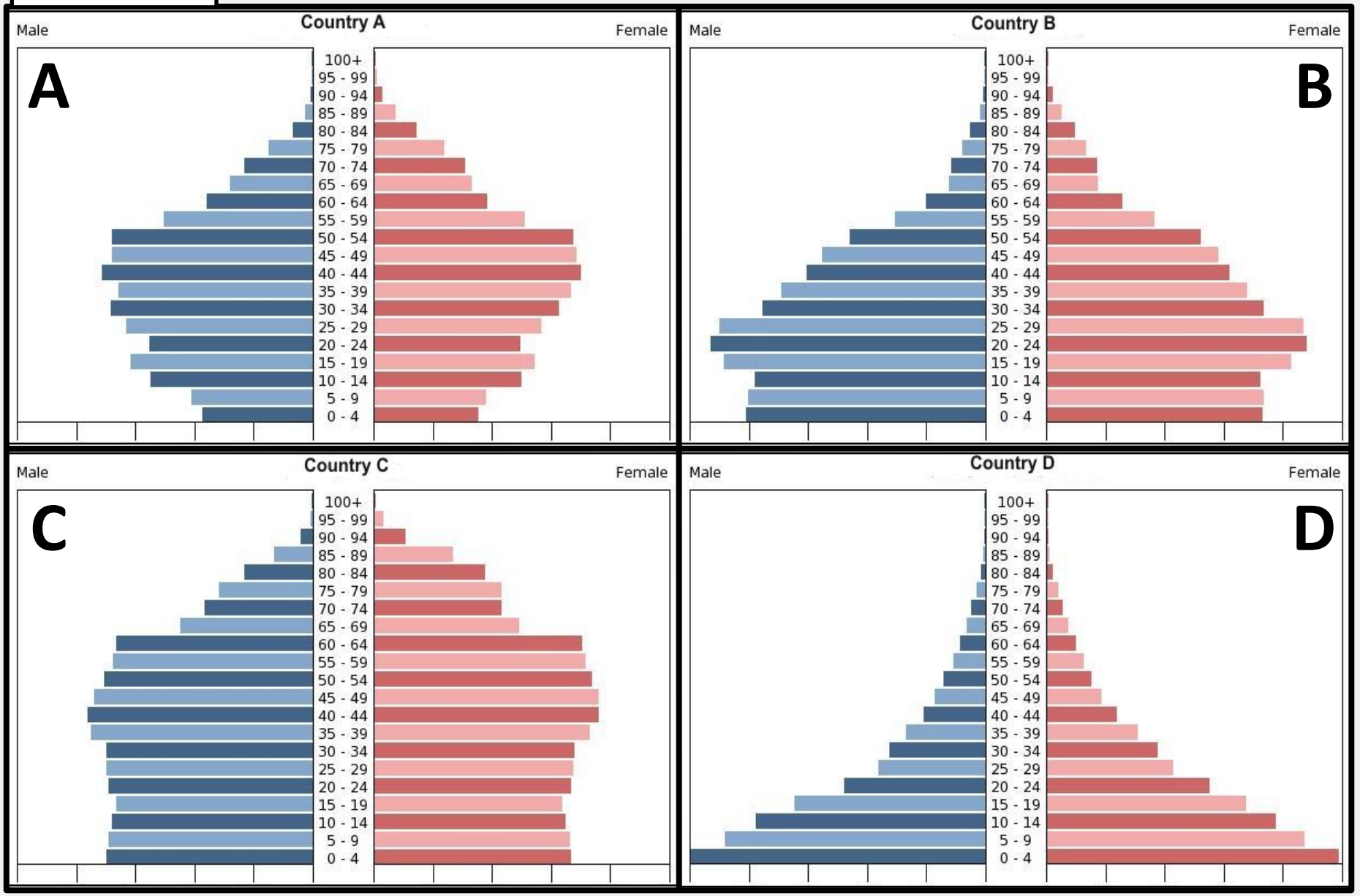
B. granite

C. sandstone

D. shale



Q 24 Which population pyramid is that of Vietnam?



Q 25

Look at the pictures below. What action should be taken when an earthquake occurs while you are inside a building?

A

C

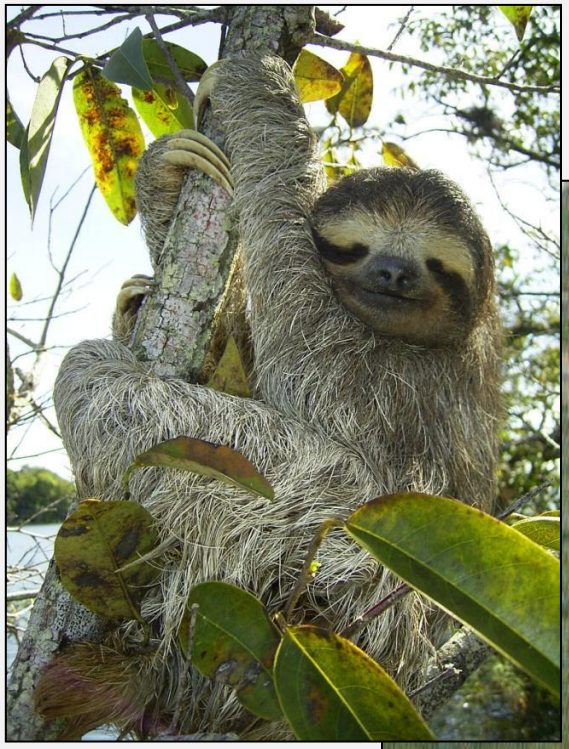
B

D

Q 26

Which continent do these animals inhabit?

A. Africa B. South America C. Asia D. Europe



Q 27

Which of the following biomass types corresponds to a tropical rainforest?

Q 28

Which kind of weathering process is shown in the photograph?

A. biological

B. frost wedging

C. haloclasty

D. thermal stress

Q 29

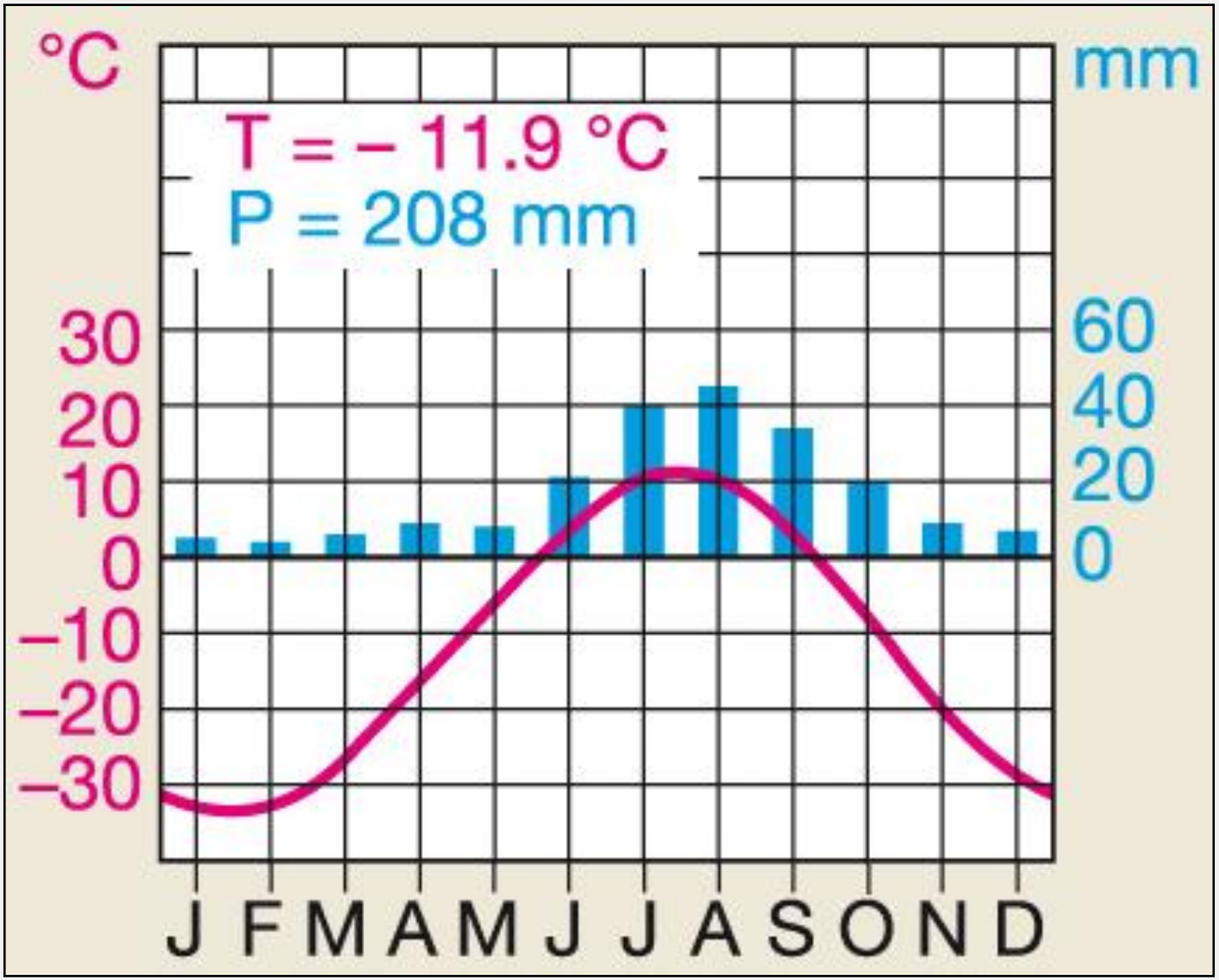
What biome does this climate graph correspond to?

A. coniferous forest

B. rainforest

C. savanna

D. temperate deciduous forest



Q 30

The pictures below show a change in an urban environment. The process of this urban regeneration of an area is called:

A. counter-urbanisation

B. gentrification

C. reurbanisation

D. urban consolidation

Q 31

This animation of time-lapsed images shows the evolution of:

A. Cairo

B. Doha

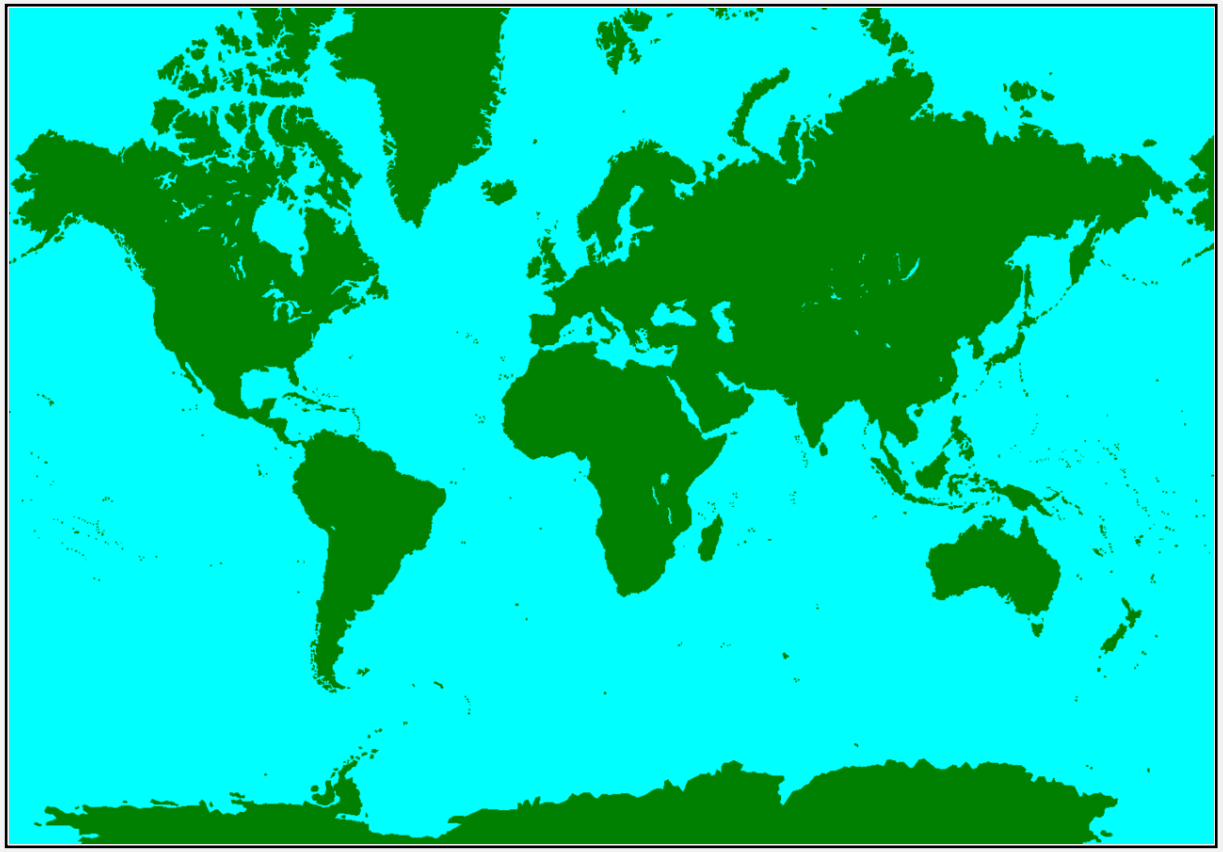
C. Dubai

D. Riyadh

Q 32

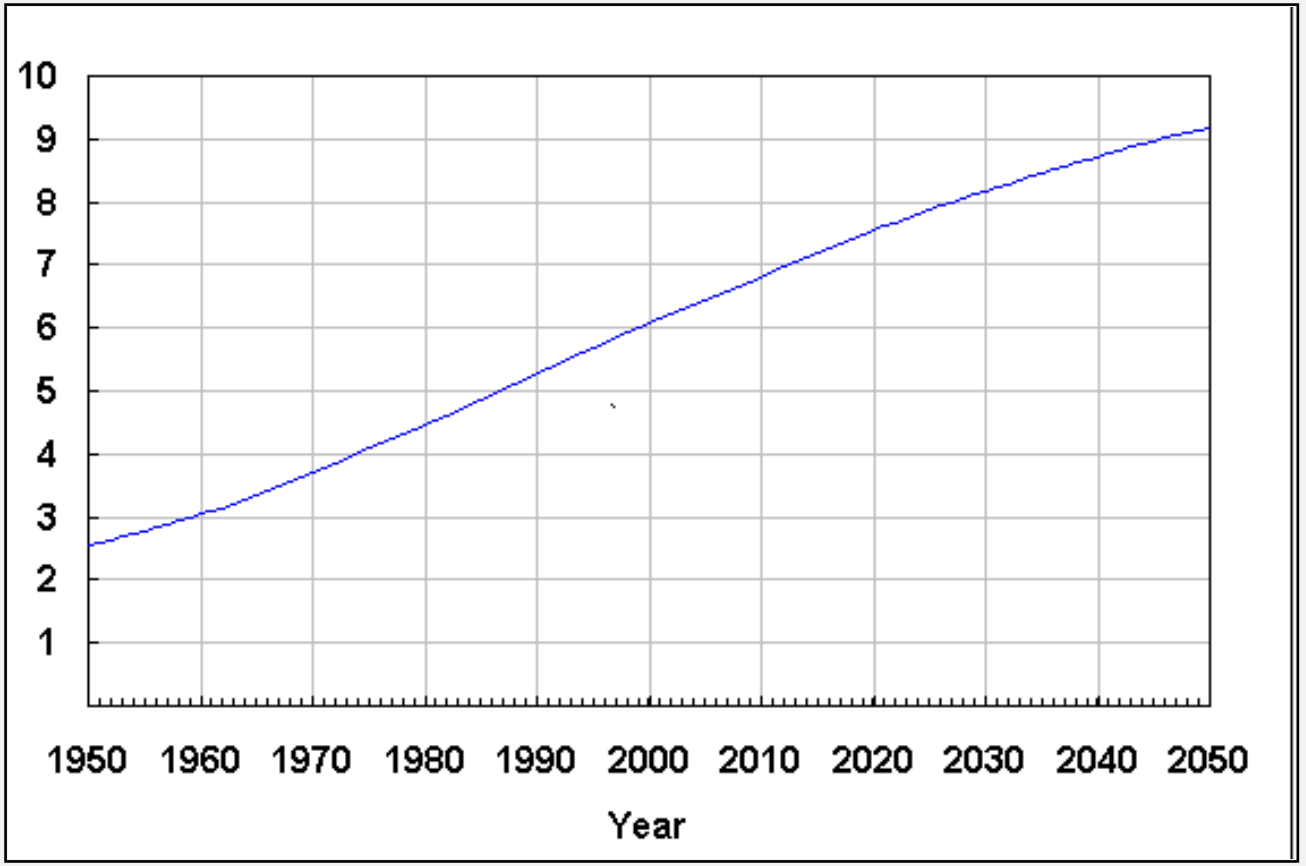
Which element is accurately represented over the whole of the map with this map projection?

A. direction between a feature and surrounding features
B. distance between a feature and surrounding features
C. shape of a feature
D. size of a feature



This time-series graph shows the projection of:

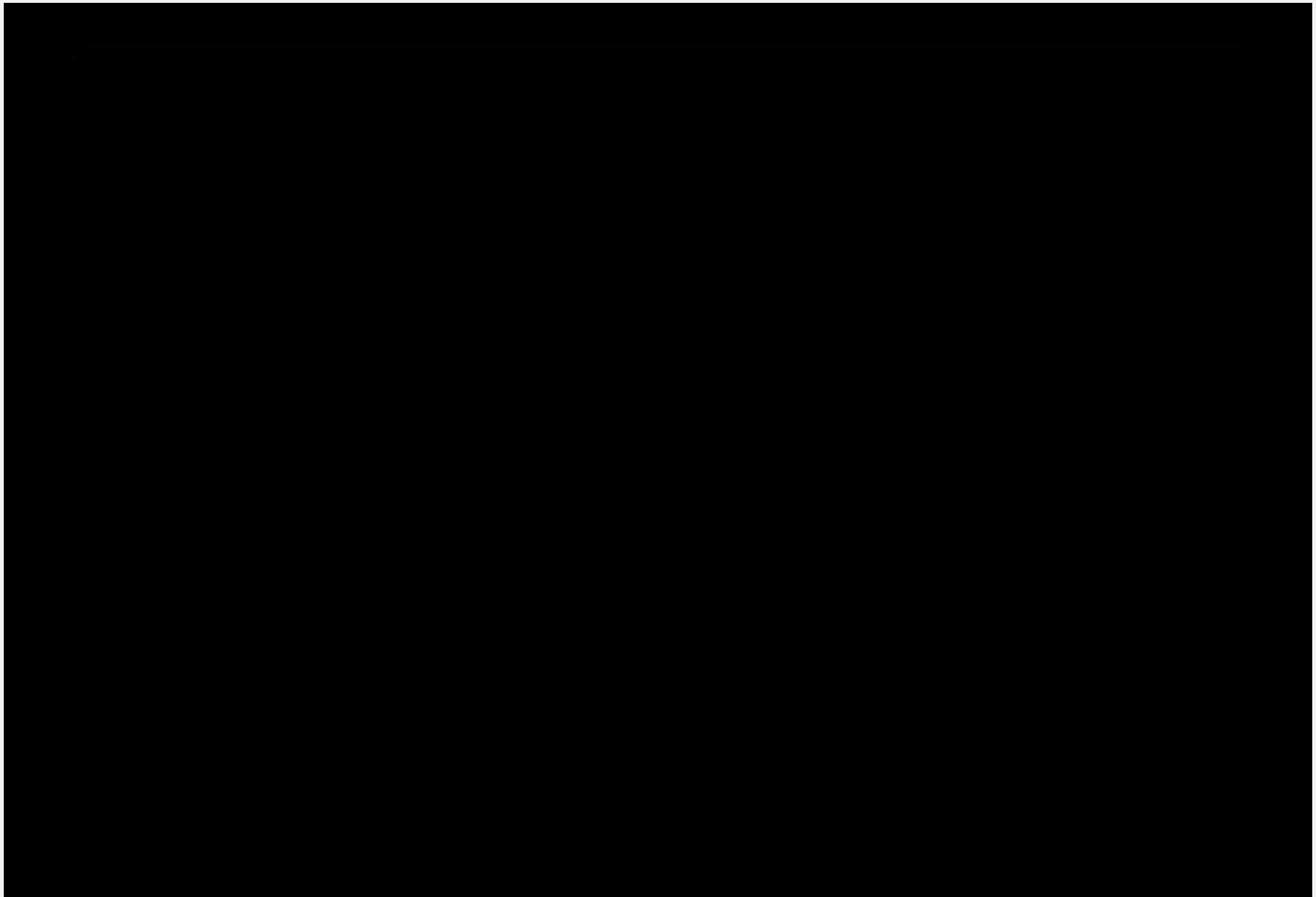
A. business development plans for 15 members of the European Union (10^{14} €)
B. iron ore mining growth (thousand tons per year)
C. petrol price in world market (USD per litre)
D. world population growth (thousand million people)



Q 33

This movie is a statement of the need for:

A. wastewater treatment enforcement
B. water consumption measurements in urban areas
C. water control everywhere around the world
D. clean drinking water for everyone

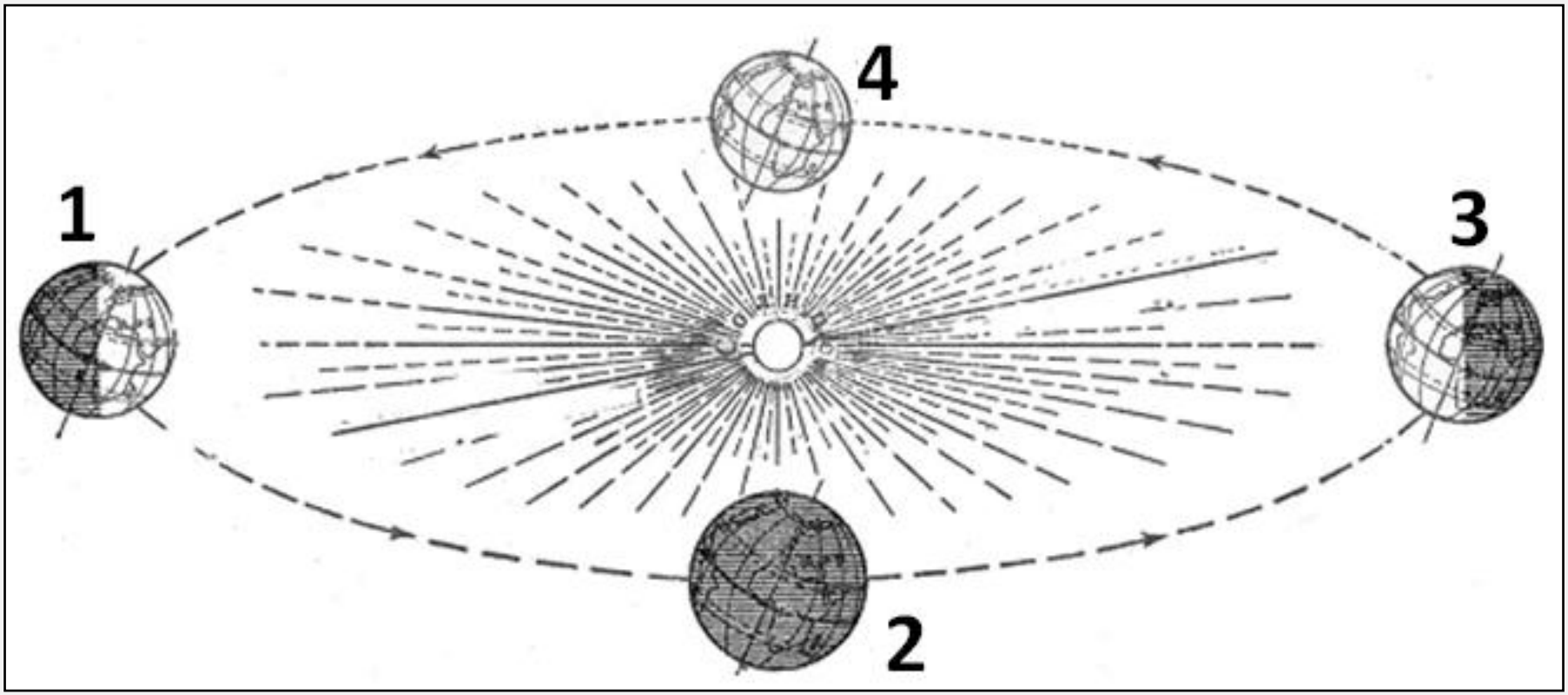


Q 34

Q 35

When the Earth is located at "point 3" in its orbit around the Sun, at which of these latitudes is the Sun's noon elevation lowest?

A. 23.5 ˚S B. 30 ˚N C. 30 ˚S D. 40 ˚N



Q 36

This map of Europe shows the spread of:

A. the "Barbarian" invasions

B. the Crusades

C. the plague

D. the establishment of medieval universities

Q 37

From the photo, what should you infer about economic conditions in the boy's country?

A. good social welfare system

B. high GDP

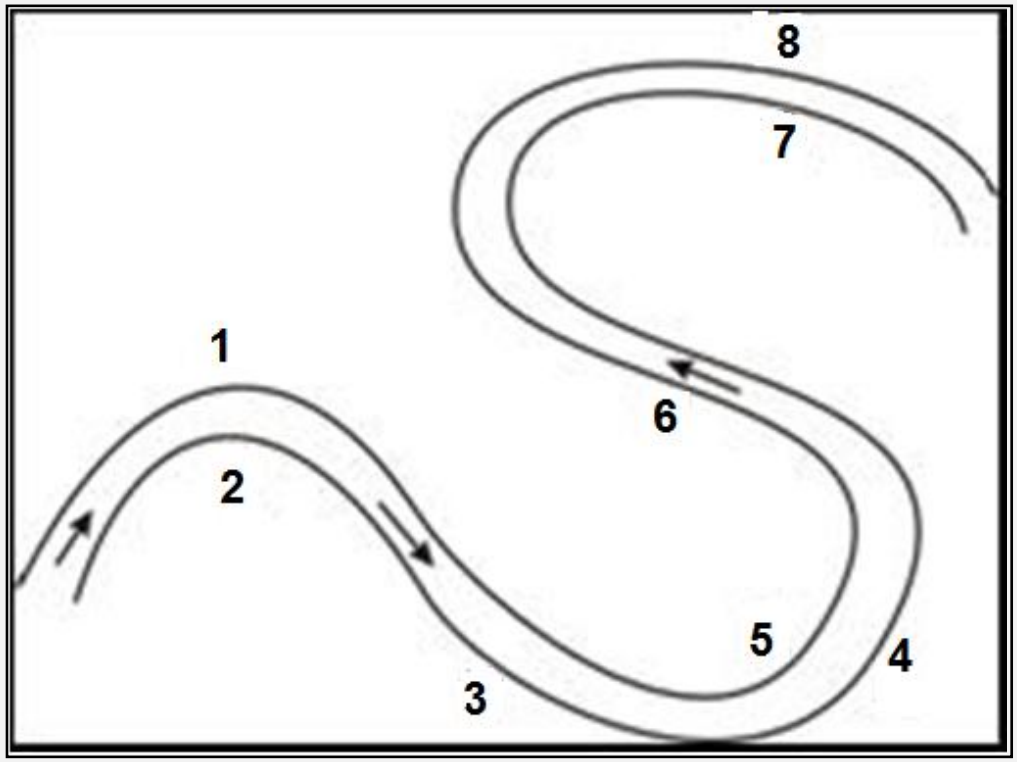
C. high inflation rate

D. low crime rates

Q 38

Based on this diagram of a river, in which of these sections are erosion and sedimentation processes dominant?

A. erosion in 2 and 4; sedimentation in 1 and 3
B. erosion in 1 and 4; sedimentation in 5
C. erosion in 3; sedimentation in 7
D. erosion in 7; sedimentation in 8



Q 39

The table shows occupational data for the population of a town in a developing country. Which of these occupational categories employs the most workers in that town?

A. administration

B. commerce

C. communication

D. manufacturing

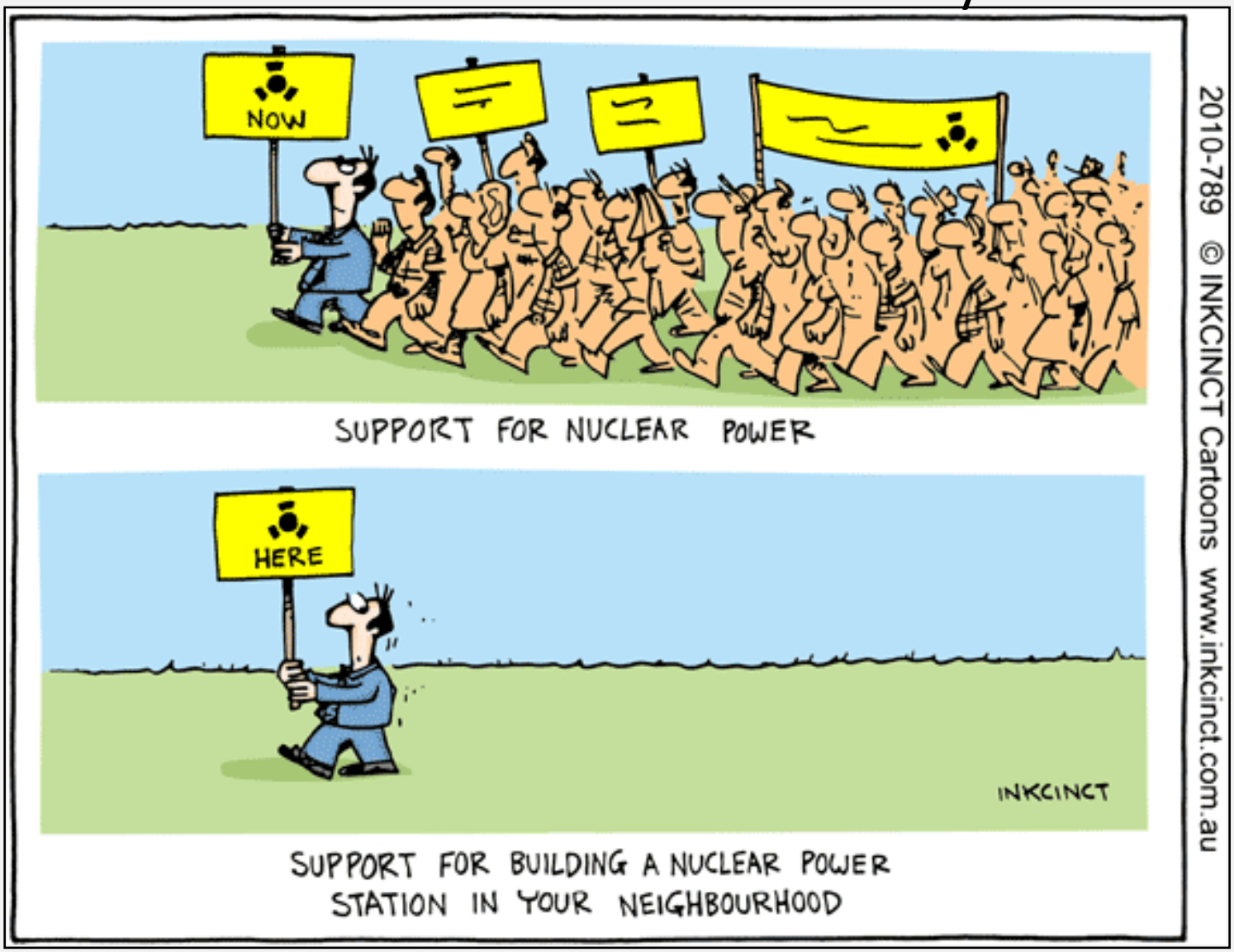
Occupation	Percent (%)
Distributive trades	12
Engineering and electrical	13
Hotels and leisure	16
Metal working	1
Professional	5
Government offices	4
Retail trades	10
Textiles	35
Transport	4

Q 40

What situation does the cartoon comment on?

A. Energy Crisis

B. Global Warming

C. No Nuclear Power

D. Not In My Back Yard